MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JULY, 1938

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

JULY 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.3	56.2	56.9	56.5	30.7	22.8	27.6	30.2	24.7	27.5
2	6.8	6.8	6.9	6.8	31.1	22.5	28.1	30.1	25.4	27.9
3	6.3	5.6	6.0	5.9	31.4	22.5	27.8	30.6	25.0	27.8
4	6.0	5.3	5.8	5.7	31.2	22.8	27.7	30.6	25.1	27.8
5	5.7	5.8	5.9	5.8	32.3	23.8	27.4	31.6	25.7	28.2
6	56.8	57.1	57.3	57.1	32.6	23.8	27.4	31.1	26.0	28.2
7	6.9	6.1	6.1	6.4	32.7	24.2	28.8	31.7	26.3	28.9
8	5.5	5.0	4.6	5.0	32.9	24.3	28.8	31.9	26.6	29.1
9	3.7	2.8	2.1	2.9	32.2	24.3	29.1	31.7	26.4	29.0
10	1.4	1.1	1.3	1.3	32.4	23.6	28.8	32.3	26.4	29.1
11	51.7	52.6	53.0	52.4	33.4	22.2	29.3	32.4	26.8	29.5
12	3.9	4.6	4.7	4.4	33.3	24.7	29.5	32.1	27.3	29.6
13	5.0	4.9	5.3	5.1	33.7	24.4	29.9	32.7	27.4	30.0
14	5.2	5.1	5.2	5.2	32.4	24.3	29.4	31.2	27.1	29.2
15	5.5	4.8	5.4	5.2	33.0	24.4	28.9	32.3	26.8	29.3
16	55.4	55.3	54.9	55.2	32.3	22.8	28.8	31.6	26.2	28.8
17	4.0	3.4	2.9	3.4	32.7	23.5	28.8	32.1	25.9	28.9
18	1.8	1.6	1.7	1.7	32.9	24.3	28.7	32.4	27.0	29.3
19	1.8	2.3	2.8	2.3	33.1	23.9	28.9	31.9	26.2	29.0
20	3.3	4.2	4.9	4.1	32.9	23.6	29.0	32.2	26.2	29.1
21	55.4	55.8	56.6	55.9	32.7	23.3	29.0	31.6	25.9	28.8
22	6.6	6.1	6.1	6.3	32.4	23.6	28.0	31.7	26.2	28.6
23	5.2	4.7	4.6	4.8	32.4	25.1	28.8	31.7	26.9	29.1
24	3.3	3.2	3.2	3.2	32.7	25.6	29.5	31.6	27.1	29.4
25	2.6	3.0	2.9	2.8	33.0	24.4	29.7	32.4	26.9	29.6
26	53.1	53.3	54.0	53.5	32.9	23.9	32.1	31.8	27.2	30.3
27	4.0	3.8	4.2	4.0	33.3	24.0	29.4	32.6	27.2	29.7
28	4.0	4.0	4.0	4.0	33.3	23.5	29.9	32.4	26.7	29.7
29	3.7	3.2	3.0	3.3	33.3	23.9	31.7	32.7	26.3	30.2
30	3.8	4.2	4.6	4.2	33.6	24.4	29.3	32.7	27.4	29.8
31	5.4	5.8	5.9	5.7	33.6	25.1	30.0	32.7	27.2	30.0
	754.52	754.44	754.57	754.52	32.66	23.86	29.03	31.83	26.44	29.01

Barometer, range for month 751.1 mm.–757.3 mm.
,, 50-yr. average for month 755.70 mm.
Thermometer, range for month 22.2° C.—33.7° C.
,, 50-yr. average for month 27.83° C.
Rain, total for month 0.0 mm.
,, , 50-yr. average for month 0.51 mm.
,, , total, Sept. 1st to end of month 1194.77 mm.
,, 50-yr. average, Sept. 1st to end of month 903.0 mm.

JULY 1938

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	17.6	17.5	18.1	17.7	64	55	78	65	12.2	344.5	
2	18.6	18.2	18.9	18.6	66	57	78	67	11.6	367.0	
3	17.9	18.1	18.5	18.2	64	56	78	66	12.0	213.0	
4	18.1	17.9	18.0	18.0	65	55	76	65	11.6	61.2	
5	18.9	18.7	19.9	19.1	70	53	81	68	12.0	131.0	
6	20.1	19.6	20.8	20.2	74	58	84	72	10.9	140.0	
7	21.0	20.7	20.0	20.4	72	59	79	70	10.5	259.0	
8	20.4	20.8	21.8	21.0	70	59	84	71	12.9	334.6	
9	21.4	21.0	21.1	21.2	72	60	83	72	12.8	358.4	
10	21.1	20.8	21.5	21.1	72	57	84	71	12.9	246.4	
11	22.1	20.6	20.6	21.1	72	57	79	69	11.2	176.2	
12	21.6	20.9	21.2	21.2	69	58	78	68	8.9	188.6	
13	21.8	21.7	22.0	21.8	68	58	81	69	12.7	201.2	
14	20.9	19.1	19.4	19.8	68	56	74	66	12.0	220.0	
15	18.4	19.9	19.1	19.1	64	56	72	64	12.3	317.5	
16	16.5	16.3	16.1	16.3	55	47	64	55	11.3	296.8	
17	15.5	17.5	18.3	17.1	53	50	73	59	13.0	307.0	
18	19.6	20.8	20.0	20.1	67	66	76	70	12.6	440.5	
19	17.9	20.4	20.6	19.6	68	58	82	69	12.7	484.0	
20	19.5	20.2	19.5	19.7	65	57	77	66	12.7	370.6	
21	18.0	17.6	18.9	18.2	60	50	77	62	12.9	282.2	
22	18.5	18.0	18.0	18.2	66	52	71	63	12.5	291.5	
23	17.6	19.2	19.9	18.9	60	55	76	64	12.6	464.5	
24	19.7	19.3	21.4	20.1	64	55	81	67	11.9	538.0	
25	20.4	20.9	21.6	20.9	66	58	83	69	10.9	405.0	
26	19.0	21.0	22.8	20.9	54	60	86	67	12.4	395.4	
27	21.3	22.1	22.9	22.1	69	60	86	72	12.8	451.5	
28	19.6	21.1	19.8	20.0	62	58	76	65	13.0	381.0	
29	18.8	19.8	21.0	19.8	54	54	83	64	12.8	263.5	
30	19.8	19.7	18.9	19.5	66	51	70	62	12.5	120.0	
31	20.4	19.5	21.4	20.4	64	47	81	64	12.8	25.0	
	19.42	19.64	20.1	19.69	65.26	55.9	78.4	66.5	12.13	292.75	

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

JULY, 1938

METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	5cu	0	0	1.7	3s	3sw	2sw	slight	
2	4cu	3cu	10cu	5.7	3s	4s	2s	„	
3	2cu	0	0	0.7	3s	3sw	1sw	„	
4	5cu	0	0	1.7	2s	0	0	„	
5	5cu	0	3cu	2.7	0	2sw	1s	calm	
6	7cu	0	3ci	3.3	2w	2nw	1n	slight	
7	7cu	0	0	2.3	1w	2nw	1n	mod.	
8	8cu	0	0	2.7	4sw	3sw	3sw	„	
9	2cu	5cu	0	2.3	3s	3sw	2s	slight	
10	4cu	4cu	0	2.7	3sw	3w	1w	mod.	
11	7ci	7cu	8ci	7.3	2s	2w	1sw	slight	
12	8ci	6ci	8ci	7.3	2sw	2nw	1nw	„	
13	8cu	0	0	2.7	2w	3w	1w	„	
14	4cu	8cu	10cu	7.3	3s	3w	2w	„	
15	2cu	2cu	0	1.3	3sw	3w	3nw	„	
16	3cu	4cu	0	2.3	3sw	3w	1w	mod.	
17	2ci	4cu	0	2.0	2w	3nw	1nw	slight	
18	5cu	7cu	4cu	5.3	3sw	4sw	4w	„	
19	4cu	7cu	0	3.6	4s	4sw	4w	mod	
20	2cu	4cu	0	2.0	4s	3sw	2w	slight	
21	2cu	3cu	3cu	2.7	3s	3sw	2w	„	
22	4cu	5cu	2cu	3.7	2sw	3w	2w	„	
23	3cu	5cu ci	4cu ci	4.0	3sw	3w	3w	„	
24	4cu	3cu ci	0	2.3	4sw	4sw	4w	mod.	
25	3cu ci	3cu ci	5ci	3.7	4sw	3sw	3w	slight	
26	4cu ci	4cu ci	0	2.7	4sw	3sw	2sw	„	
27	2ci	0	0	0.7	3sw	4sw	4sw	„	
28	0	0	0	0.0	3s	3s	3sw	„	
29	3cu	4cu ci	0	2.3	3s	3sw	1sw	„	
30	4cu	3cu	6cu	4.3	3sw	3w	1sw	„	
31	0	0	0	0.0	2nw	1nw	0	„	
				3.01	2.8	2.8	1.9		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	0	0	12	13	4	0	1	31
14:30	0	0	0	0	2	14	9	5	1	31
20:30	2	0	0	0	3	9	12	3	2	31
Totals	3	0	0	0	17	36	25	8	4	93

Number of days with rain 0, fog 0, thunderstorms 0, gales 0.

50 yr. average number of days with rain during month 0.2